

CEMHER

SUBSTRATE GUIDE

CEMHER CLAYSTONE
MINERAL PLASTER

CEMHER Claystone is a thin decorative coating that requires a smooth, properly prepared substrate for durability and aesthetic quality. Proper preparation is essential for a long-lasting, high-quality finish. Please review all preparation instructions thoroughly before application to ensure compatibility with CEMHER® specifications.

Suitable Substrates

Gyprock/Plasterboard, Villaboard, FC, Render, Painted Surfaces, MDF & Pine, Other on advice

Substrate Requirements

Substrates must have a compressive strength of minimum 25N/mm² and a tensile strength of 1.5N/mm.

Substrates must be well consolidated and have a moisture content reading below 5%.

Ensure surfaces are fully cured and dry

Please work to the manufacturer's recommended lead times for freshly laid surfaces

Surface Hardness

Claystone should not be laid on substrates less than 3 on the MOHs hardness scale

Surfaces should be free from dust and excessive laitance

General Substrate Preparation

Ensure the surface is dry, clean, and free from dust, grease, or dirt. For painted surfaces, remove any flaking areas.

Fill any joins, cracks to ensure the substrate is smooth flat & level. Level and prepare the surface to enhance performance and reduce material.

Allow 2mm height allowance for the final finish.

Ensure render, concrete, or new screeds are fully dry (28 days) before applying.

Prepare surfaces to be flat, smooth, and stable, with no expected movement or settlement.

Confirm substrate compatibility with CEMHER products

Do not apply over fresh or new substrates that have not completely cured

Prevent water ingress or exposure during & after installation.

Substrate Preparation	
New Gyprock & Plasterboard	For newly plastered walls, prepare the surface to a smooth finish as per standard paint-ready specifications. Apply a sealer undercoat to mitigate banding effects and ensure strong primer adhesion.
Pre-painted Surfaces	For pre-painted surfaces, remove any flaking areas Ensure the surface is in good condition and any holes or patches are repaired. Apply a sealer undercoat over any patches
Cement & Render	All cementitious substrates must be prepared to a flat, smooth, and stable condition, free from structural imperfections. Substrate moisture content must be verified at less than 5% prior to application. Over coating too soon could cause reaction. Newly constructed surfaces require a minimum curing period of 28 days to ensure moisture levels drop (structural integrity) Substrates must exhibit no signs of crumbling, de-lamination If you are experiencing suction or discolouration on rendered walls. A green render sealer can be applied to counter this. Claystone is not designed to fill cracks as it is a thin product. Address substrate holes with an appropriate filler product to ensure substrate stability. Render, concrete, and screeds are porous substrates that can increase primer absorption, potentially reducing the expected spread rate. Additional primer may be required to achieve uniform coverage and optimal adhesion on these surfaces.
MDF & Pine	For MDF surfaces, ensure the substrate is smooth and level. All joints should be properly filled, and screws must be fully secured and countersunk to prevent surface imperfections.
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